1 320

550

0

0

*3*75

0

0

760

0

0

0

0

0

0

408

15

15

4300

5950

*582*5

6200

8600

*8*675

*8*675

l 400

l 425

0

0-22

0-24

0 |

| 4900; LT/RT| W FP

5825, LT W FP

6550, RT | W FP

7*3*75, RT | W FP

8600, LT | W FP

9600, LT | W FP

1400, RT | W FP/HM M | 0.79 | 0.79 |

| 1400, RT | W FP/HM M | 2.02 | 1.14 |

6200, LT

1 635**,** LT

1900, RT

0.56 | 0.56 |

2.42 | 1.90 |

0.42 | 0.42 |

| 1.57 | 0.84 |

1.85 | 1.25 |

0.42 | 0.42 |

| 8.90 | 3.79 |

3.30 | 1.12 |

2.96 | 0.73 |

3.59 | 0.48 |

0.87 | 0.87

| 0.00 | 0.00 |

| 0.00 | 0.00 |

1*0*5 | 1*3*5

28

596

58

0

0

98.62 22.74 6607.82 4077.00

0

In order to prevent runoff from bypassing inlet sediment traps, a temporary berm shall be installed on the downstream side of all inlet sediment traps that are not located in a low point or an excavated sump. Temporary berms, when necessary, shall be a minimum of 18" high and constructed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

4.00

0

0

0

15

24

*3*3

0

62

41

0

*3*7

*3*5

10

19

0

0

340.00

19

29

*3*8

0

*5*5

0

53

43

12

24

0

0

548.00

0

18.00

162

*l 0*5

1 24

0

596

0

0

0

0

0

0

987.67

If the Contractor decides to use Stone Rip Rap Ditch Checks instead of Type C Silt Fence Ditch Checks, sediment storage volumes will need to be recalculated for the outfalls downstream of these ditches. The Contractor shall be responsible for providing a revised sediment storage table for this ESPCP General Notes revision.

The use of sediment basins from stations 10+00 to 50+70 and 85+00 to the projects end along William Few Parkway and stations 14+00 to the project limits along Hardy McManus Road to obtain the required amount of sediment storage was unattainable due to the projects proximity to environmentally sensitive areas as well as commercial and residential properties. The BMP's shown in these areas include; sediment barriers, check dams and rock filter dams at ditch outfalls. These BMPs may require more frequest maintenance and sediment removal to enhanve efficiency. In the event that it is determined that the BMPs are not performing adequately the Contractor/GDOT Project Engineer shall specify for these areas to include, but are not limited to the use of anionic polyacrylamide (PAM) Mulch, emporary Grassing, Erosion Control Mats or bonded fiber matrix. These additional measures should be installed prior to all storm events after clearing & grubbing has occured and before final stabilization has been achieved in these specified areas.



DISCHARGES INTO, OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

All outfalls are either located further than I linear mile upstream or outside of the watershed of an Impaired Stream Segment that has been listed for criteria violated, "Bio F" (impaired Fish Community) and/or "Bio M" (Impaired Macro invertebrate Community), within Category 4a,4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit.

All activities will be performed in a manner to minimize turbidity in the stream.

There will be no oils or other pollutants released from the proposed activities which will reach the stream.

All work performed during construction will be done in a manner to prevent interference with any legitimate water uses.

Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation without first acquiring the necessary variances and permits. The contractor is not authorized to enter into the stream buffer, except as described in the table below:

	The medecating	- va. ra.naaa ana pa						э. , смоор.	,,,,,,,		
Name (name or	Location of B	Ouffered Streams and	State Waters **	Stream Type (Warm/Cold	\ Impacted	Buifer Variance					
number of feature)	Alignment	Begin Sta (Lt or RT)	End Sta (Lt or Rt)	Water) *	(Yes/No)	Required?					
STREAM 2	WILLIAM FEW PKWY	20+65,RT	21·28,RT	WARM	NO	NO					

AN EXISTING QUADRUPLE 4'X4' BOX CULVERT IS AT THIS LOCATION.A DOUBLE ROW OF TYPE C SILT FENCE WITH A ROW OF HAYBALES IN BETWEEN AND SLOPE MATTING WILL

STREAM 4	WILLIAM FEW PKWY	33.75,LT	<i>35+01,RT</i>	WARM	YES	NO						
Describe the	Allowable activities and	d/or restrictions within	the buffer and appro	oximate location	of impacts.							
A TOIDIE 6	YVALDOV CHIVEDT WI	TH HEADWALLS WILL	DE CONCTRUCTED A	T THIC LOCAT	ION A DID DAG	ADDOM WILL	DE DIACED	AT TUE	DOWNSTDEAM	END OE	TUE	CHIVED

A I RIPLE 6'X4' BOX CULVERT WITH HEADWALLS WILL BE CONSTRUCTED AT THIS LOCATION. A RIP-RAP APRON WILL BE PLACED AT THE DOWNSTREAM END OF THE CULVERT.ON THE NORTH SIDE OF THE ALIGNMENT A 4'FLAT BOTTOM DITCH WILL END PRIOR TO THE BUFFER.DITCH CHECKS, A DOUBLE ROW OF TYPE C SILT FENCE WITH A ROW OF HAYBALES IN BETWEEN AND SLOPE MATTING WILL BE UTILIZED TO PREVENT SEDIMENT FROM ENTERING THE BUFFER.ORANGE BARRIER FENCE SHALL BE INSTALLED PER THE

Describe the Allowable activities and/or restrictions within the buffer and approximate location of impacts. A DOUBLE 48" RCP WITH HEADWALLS WILL BE CONSTRUCTED AT THIS LOCATION.A RIP-RAP APRON WILL BE PLACED AT THE DOWNSTREAM END OF THE CULVERT. A DOUBLE ROW OF TYPE C SILT FENCE WITH A ROW OF HAYBALES IN BETWEEN,EARTH BERM AND SLOPE MATTING WILL BE UTILIZED TO PREVENT SEDIMENT FROM ENTERING THE BUFFER. ORANGE BARRIER FENCE SHALL BE INSTALLED PER THE BMP LOCATION DETAILS TO PREVENT ANY ADDITIONAL ENCROACHMENTS INTO THE BUFFER.

STREAM 7	WILLIAM FEW PKWY	47·83,RT	50+53,LT	WARM	NO	NO					
Describe the Allowable activities and/or restrictions within the buffer and approximate location of impacts.											

A 54'-8" BRIDGE WILL BE CONSTRUCTED AT THIS LOCATION. DITCH CHECKS, A DOUBLE ROW OF TYPE C SILT FENCE WITH A ROW OF HAYBALES IN BETWEEN AND SLOPE MATTING WILL BE UTILIZED TO PREVENT SEDIMENT FROM ENTERING THE BUFFER.ORANGE BARRIER FENCE SHALL BE INSTALLED PER THE BMP LOCATION DETAILS TO PREVENT ENCROACHMENT INTO THE BUFFER.

Describe the Allowable activities and/or restrictions within the buffer and approximate location of impacts. A FILL SLOPE WILL BE CONSTRUCTED ADJACENT TO THIS LOCATION. DITCH CHECKS, A DOUBLE ROW OF TYPE C SILT FENCE WITH A ROW OF HAYBALES IN BETWEEN, EARTH BERM AND SLOPE MATTING WILL BE UTILIZED TO PREVENT SEDIMENT FROM ENTERING THE BUFFER.ORANGE BARRIER FENCE SHALL BE INSTALLED PER THE BMP LOCATION DETAILS TO PREVENT ENCROACHMENTS INTO THE BUFFER.

STREAM II	HARDY MCMANUS RD 13+81,LT	<i>14+28,</i> LT	WARM	YES	YES	
Describe the	Allowable activities and for restrictions within	n the huffer and appr	ovimate location	of impacts		

A FILL SLOPE WILL BE CONSTRUCTED ADJACENT TO THIS LOCATION. DITCH CHECKS, A DOUBLE ROW OF TYPE C SILT FENCE WITH A ROW OF HAYBALES IN BETWEEN, EARTH BERM AND SLOPE MATTING WILL BE UTILIZED TO PREVENT SEDIMENT FROM ENTERING THE BUFFER.ORANGE BARRIER FENCE SHALL BE INSTALLED PER THE BMP LOCATION DETAILS TO PREVENT ENCROACHMENTS INTO THE BUFFER.

* Warm water streams have a 25-foot minimum buffer as measured from the wrested vegetation. Cold Water streams have a 50-foot buffer as measured from the wrested vegetation.

** Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the individual BMP sheets.

MONITORING GENERAL NOTES:

The total site size is 38.8 acres. Representative sampling may be utilized on this project. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10,10 being the most erodible soil. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area are less than or equal to lacre, greater than lacre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal if it is less than or equal to 0.03 and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and ESPCP, the Department has determined that representative sampling is valid for the duration of the project. The table below shows the groups of similar outfall drainage basins. The increase in turbidity at the specified locations will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative monitored features are identified in the table below.

Primary Monitored Feature	Location (Station and Offset)	Name of Receiving water	Applicable construction stage for monitoring	Receiving		Upstream Disturbed Area (acres)	or Cold water	Appendix B NTU value (Outfall Monitoring Only)	Allowable NTU increase (For Receiving Water)	Location Description	Construction Activity	Disturbed Area (acres)			Alternate Outfall Drainage Basins
×	46·50,300° RT	EUCHEE CREEK	ALL	Receiving Water	I . 5	17.61	Warm	N/A	75	UP Euchee Creek	New Road	N/A	N/A	N/A	N/A
×	51+10 , 175′ LT	EUCHEE CREEK	ALL	Receiving Water	I . 5	0.0	Warm	N/A	75	DN Euchee Creek	New Road	N/A	N/A	N/A	N/A
M-/	14+38,65′ RT	EUCHEE CREEK	ALL	Receiving Water	0.04	1.62	Warm	75	N/A	Outfall	Road	1.85	0.03	8	N/A
K-1	96+36 , 44′ LT	EUCHEE CREEK	ALL	Receiving Water	0.03	0.73	Warm	75	N/A	Outf all	Road	2,14	0.008	8	N/A

^{*} Outfalls from begin project to Hardy McMnaus Road. Upstream at confluence of Long Branch & Euchee Creek & downstream at conflunce of Euchee Creek & WOS.

The primary monitored features specified should be used as the initial sampling locations. An alternate monitored feature may be used if additional sampling is required or to replace a primary monitored feature that is no longer located within an active phase of construction.

MONITORING SAMPLING METHODS & PROCEDURES

See Special Provision 167 and other contract documents for Monitoring Sampling Methods and Procedures.



EMC ENGINEERING SERVICES, INC.

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STATE OF GEORGIA REVISION DATES DEPARTMENT OF TRANSPORTATION OFFICE: PROGRAM DELIVERY

ESPCP GENERAL NOTES

WILLIAM FEW PKWY EXT. PH. 2

TOTAL SHEETS